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(54) Title: QUANTITATIVE MULTIPLEX AMPLIFICATION ON A GENOMIC SCALE, AND APPLICATIONS FOR DETECTING GENOMIC REARRANGEMENTS

(57) Abstract: The present application relates to novel composite primers which make it possible to amplify in multiplex at a quantitative level of precision, and to the application of these composite primers for detecting genomic rearrangements in general, and cryptic chromosomal rearrangements in particular. These composite primers contain a tag the sequence of which is absent from or poorly represented in the genome analyzed, and which exhibits a very low propensity to form stable pairings. The composite primers, which contain them, make it possible to carry out multiplex amplifications with quantitative precision on the scale of a genome such as the human genome.